

Docket No.: 04279/100M213-US1 (PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Christopher P. Holmes et al.

Application No.: 10/555,860

Filed: November 1, 2005

For: NOVEL SPACER MOIETY FOR POLY

(ETHYLENE GLYCOL) MODIFIED PEPTIDE BASED COMPOUNDS

Confirmation No.: N/A

Art Unit: N/A

Examiner: N/A

## SECOND INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, and further to the Information Disclosure Statement filed on November 1, 2005, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Applicant has not submitted copies of each cited U.S. patent or U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patents and U.S. patent applications, *see* 37 CFR 1.98(a)(2)(ii). Applicant submits herewith copies of foreign patent documents and non-patent literature documents in accordance with 37 CFR 1.98(a)(2).

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In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

This Information Disclosure Statement is filed before the mailing date of a first Office. Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)). It is therefore believed that no fee is required for this submission. However, should it be determined that any fee is required for this application or that any refund is owed, then the Commissioner is hereby requested and authorized to charge the required fee(s) and/or credit the refund(s) owed to Deposit Account No. 04-0100 of Applicants' undersigned attorneys/agents.

Dated: February 23, 2006

Respectfully submitted,

Respectionly submitted,

Jonathan M. Spenner, Ph.D. Registration No.: 57,268

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PTO/SB/08a/b (07-05)
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Sub	Substitute for form 1449A/B/PTO			Complete if Known		
				Application Number	10/555,860	
	<b>SECOND IN</b>	FOF	RMATION	Filing Date	November 1, 2005	
	DISCL	osi	JRE	First Named Inventor	Christopher P. Holmes	
S	TATEMENT			Art Unit	N/A	
	OTATEMENT BY ALTERNATI			Examiner Name	Not Yet Assigned	
Sheet 1 of 4		Attorney Docket Number	04279/100M213-US1			

		r	U.S. PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passage or Relevant	
	1	<u> </u>			Figures Appear	
	USPD1	US-6,858,630	02-22-2005	Luengo et al.		
	USPD2	US-6,784,154	08-31-2004	Westenfelder		
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Examiner Date Considered Signature

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Substitute	Substitute for form 1449A/B/PTO			Complete if Known		
				Application Number	10/555,860	
S	<b>ECOND IN</b>	IFO	RMATION	Filing Date	November 1, 2005	
	DISCL	OSI	JRE	First Named Inventor	Christopher P. Holmes	
STA			APPLICANT	Art Unit	N/A	
				Examiner Name	Not Yet Assigned	
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	FPD1	EP 0 400 472	12-05-1990	Sumitomo Pharmaceuticals Company, Ltd.		i
	FPD2	WO 90/12874	11-01-1990	Genetics Institute, Inc.		
	FPD3	WO 92/16221	10-01-1992	Synergen, Inc.		
	FPD4	WO 96/40749	12-19-1996	Johnson & Johnson Corporation		
	FPD5	WO 00/07629	02-17-2000	Mountain View Pharmaceuticals Inc.		
	FPD6	WO 00/12587	03-09-2000	Gryphon Sciences		
	FPD7	WO 01/38342	05-31-2001	Glaxo Group Ltd.		
	FPD8	WO 01/59078	08-16-2001	Mountain View Pharmaceuticals Inc.		

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·	.,			Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	04279/100M213-US1

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FPD10	WO 03/002716	01-09-2003	Mountain View Pharmaceuticals, Inc.	
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FPD12	WO 04/060299	07-22-2004	Mountain View Pharmaceuticals, Inc.	
FPD13	WO 04/060300	07-22-2004	Mountain View Pharmaceuticals, Inc.	
FPD14	WO 04/100997	11-25-2004	Affymax, Inc.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Sind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	NPLD1	Abuchowski, A., et al., "Effect of covalent attachment of polyethylene glycol on immunogenicity and circulating life of bovine liver catalase," J. Biol. Chem, Vol. 252, pp. 3582-6 (1977)	
	NPLD2	Beauchamp, C.O., et al., "A new procedure for the synthesis of polytheylene glycol-protein adducts; effects on function, receptor recognition, and clearance of superoxide dismutase, lactoferrin, and alpha 2-macroglobulin", Anal Biochem., Vol. 131, pp. 25-33 (1983)	
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	NPLD9	Kita, Y., et al., "Characterization of a polyethylene glycol conjugate of recombinant human interferon-gamma", Dr. Des. Deliv. Vol. 6, pp. 157-67 (1990)	
	NPLD10	Klajnert et al., "Dendrimers: properties and applications", Acta Biochimica Polonica, 2001, 48:199-208	

Examiner Signature	Date Consider	ed	,

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S	TATEMENT E			Art Unit	N/A	
ľ				Examiner Name	Not Yet Assigned	
Sheet	Sheet 4 of 4			Attorney Docket Number	04279/100M213-US1	

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NPLD20	Wrighton et al., "Small peptides as potent mimetics of the protein hormone erythropoietin", Science 273:458-463 (1996)

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	Date Considered	

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.



Application No. (if known):10/555,860;

Attorney Docket No.: 04279/100M213-US1

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